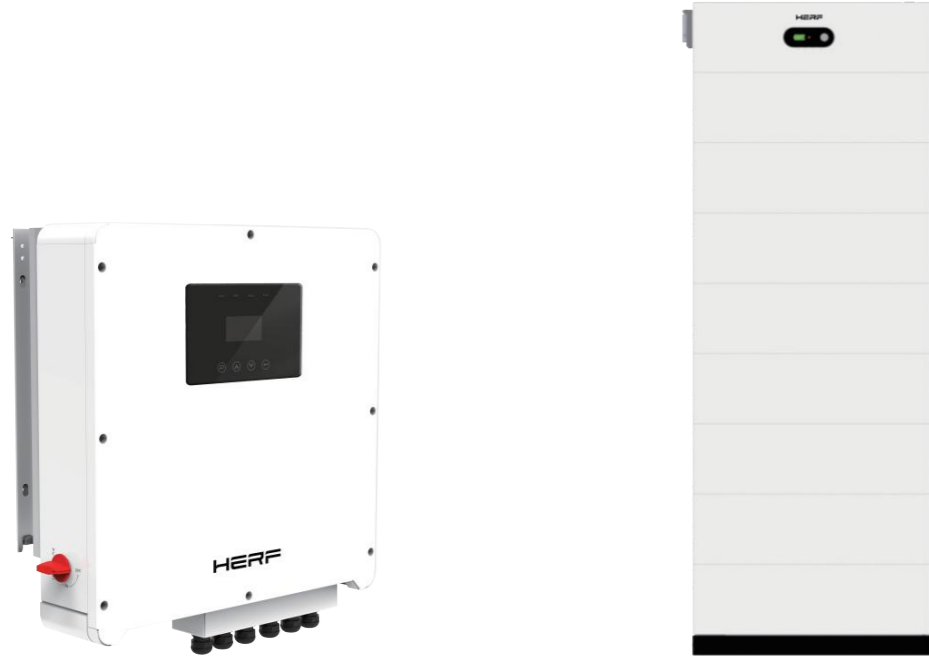


Hybrid Inverter Three Phase System



HERF-8K-H3-10kWH / HERF-10K-H3-15kWH / HERF-12K-H3-20kWH



IP65
Choose the place you
want to install



Full power discharge



Automatic management
of battery charge and
discharge



It is more economical to
support multiple operating
modes

	HERF-8K-H3-10KWH	HERF-10K-H3-15KWH	HERF-12K-H3-20KWH
Input (PV)			
Max. power (kW)	12	15	18
Max. DC voltage (V)		1,000	
MPPT voltage range (V)		180-850	
Max. Input Current of single MPPT (A)		13	
MPPT Tracker/Strings		2/1	
AC Output			
Rated output power (kVA)	8	10	12
Max. Output Current (A)	12.7	15.9	19.1
Grid voltage /range (V)		400/360~ 440	
Frequency (Hz)		50/60	
Power Factor		0.8 lagging- 0.8 leading	
THDi		<3%	
AC output topology		3W+N+PE	
Battery Model			
	HERF-HV-10KWH	HERF-HV-15KWH	HERF-HV-20KWH
Nominal Capacity (kWH)	9.984	14.976	19.968
Typical Capacity		52Ah	
Nominal Battery Voltage (V)	192	288	384
Battery voltage range (V)	171 ~225	252-337.5	336-450
Rated charge/ discharge current (A)		35	
Communication interface		CAN	
EPS output			
Rated power (kVA)	8.8	11	13.2
Rated output voltage (V)		400	
Max. output current (A)	12.7	15.9	19.1
Rated frequency (Hz)		50/60	
Automatic switching time (ms)		<20	
THDu		<2%	
Overload capacity		110%, 30S/120%, 10s / 150%, 0.02S	
General data			
Battery charge/Discharge efficiency	96.6%	96.7%	96.8%
DC Max. efficiency	97.9%	98.2%	98.2%
Europe efficiency	97.2%	97.5%	97.5%
MPPT efficiency	99.5%	99.5%	99.5%
Ingress protection		IP 65	
Noise emission (dB)		<35	
Operation temperature		-25°C~ 60°C	
Cooling		Natural	
Relative Humidity		0~ 95% (non-condensing)	
Altitude		2,000m (>2,000 Derating)	
Dimensions W* D* H (mm)		530*200*600	
Weight (kg)		29	
Isolation transformer		N0	
Self-consumption (W)		<3	
Display and communication			
Display		LCD	
Interface: RS485/Wifi/4G/CAN/DRM		Yes / Opt / Opet / Yes / Yes	
Safety standard		IEC/EN62109-1/-2, IEC/ EN62477-1	
EMC		IEC/EN61000-6-1, IEC/ EN61000-6-3	
On-grid		Europe: EN50549-1, Germany: VDE4105/ 0124, UK: G99, South Africa: NRS097-2-1: 2017	

| Global Applications

🌐 Europe



Residential Project in Sweden 12kW



Residential Project in Germany 10kW



Residential Project in Estonia 8kW



Residential Project in Poland 10kW



Residential Project in Germany 10kW

🌐 America



Residential Project in the United State 10kW



Residential Station Project in Utah 8kW



Residential Project in the United State 6kW